

WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:
an image bearing member;
a transferring means for transferring an image
5 formed on the image bearing member to a recording
material;
a fixing means for fixing by heat the image
transferred on the recording material to the
recording material, said fixing means having a
10 carrying member to carry the recording material; and
a speed setting means for setting a moving speed
of the image bearing member depending on the kind of
the recording material.
- 15 2. An image forming apparatus according to
claim 1,
wherein said speed setting means additionally
sets a moving speed of the image bearing member
according to information relevant to a
20 circumferential speed of said carrying member.
3. An image forming apparatus according to
claim 2,
wherein said speed setting means additionally
25 sets to a slower speed as a basic weight of the
recording material is low, when the information
relevant to the circumferential speed is the same

10086735-030402

level.

4. An image forming apparatus according to claim 3,

5 wherein said speed setting means sets to a slower speed as the circumferential speed of said carrying member is faster.

10 5. An image forming apparatus according to claim 1,

wherein said apparatus further includes a writing means for writing an image on said image bearing member, and

15 wherein said image bearing member is changed to a speed set in said speed setting means at the timing that the said writing means does not write the image on said image bearing member.

20 6. An image forming apparatus according to claim 1,

wherein said apparatus further includes a driving motor for driving said image bearing member, and

25 wherein said driving motor also drives said carrying member.

7. An image forming apparatus according to

10086735-030402

claim 6,

wherein, when the speed of said image bearing member changes, the speed of said carrying member is also changed.

5

8. An image forming apparatus according to claim 2,

wherein the information relevant to the circumferential speed is a successive print sheet number.

10

9. An image forming apparatus according to claim 1,

wherein said transferring means has a transferring member interposing the recording material together with said image bearing member.

15

20

10. An image forming apparatus according to claim 1,
wherein a distance between a transferring position and a fixing position is short than a length of the recording material of a maximum formal size usable in said apparatus.

25

11. An image forming apparatus according to claim 1,

wherein said carrying member is a pressing

roller having an elastic layer.

12. An image forming apparatus comprising:
an image bearing member;

5 a transferring means for transferring an image
formed on the image bearing member to a recording
material; and

a fixing means for fixing by heat the image
transferred on the recording material to the
10 recording material, said fixing means having a
carrying member to carry the recording material,

wherein a moving speed of said image bearing
member when using a recording material of which a
basic weight is a first value is slower than a moving
15 speed of said image bearing member when using a
recording material of which a basic weight is a
second value greater than the first value.

13. An image forming apparatus according to
20 claim 12,

wherein a moving speed of said image bearing
member when a circumferential speed of said carrying
member is a first speed is slower than a moving speed
of said image bearing member when the circumferential
25 speed of said carrying member is a second speed
faster than the first speed.

204060 529800